BIOASSAY, CARCINOGENESIS AND TISSUE CULTURE #194R3(Suppl)

Activated: 11/1/58
Renewed: 11/1/59
Extended to 2/1/61
Renewed: 2/1/61

COMMITTEE:
Dr. Little, Chm.
Dr. Lynch
Dr. Reimann

TOBACCO INDUSTRY RESEARCH COMMITTEE
150 East Forty Second Street
New York 17, New York

APPLICATION FOR RESEARCH GRANT

Date: April 30, 1962

1003542864

1. Name of Investigator: DONALD M. PACE, PH.D.

2. Title: Professor of Physiology

3. Institution & Address: University of Nebraska
Lincoln, Nebraska

4. Project or Subject: To investigate tolerance phenomena in cells (human lung, skin, Strain L, liver).

5. Detailed Plan of Procedure: In general, procedures similar to those used in previous investigations will be followed. However, in those experiments in which the cells will be exposed to gases, use will be made of a modified T-60 flask as described and illustrated in an article by Pace, Thompson, Aftonomos, and Holck (Canadian Jour. Biochem. & Physiol. 39: 1247 (1961). Several copies of this report are enclosed.

We have already made some preliminary observations which suggest the possibility of tolerance in human lung cells similar to that which has been observed in the intact animal. We are continuing this work but will need extra help during the summer months.

Cells will be exposed to low concentrations of various gases and other substances (concentrations that permit survival with little or no injury). At a subsequent time these same cells will be challenged with what would otherwise be lethal concentrations, to determine whether or not true tolerance is developed in isolated cells.

Source: https://www.industrydocuments.ucsf.edu/docs/xsvm0000

6. Budget Plan:

a. Salaries	$1,600.00
b. Expendable Supplies	---
c. Permanent Equipment	---
d. Overhead (15% of a,b,e)	240.00
e. Other (Social Security)	50.00
TOTAL	$1,890.00

7. Anticipated Duration of Work: SUMMER 1962

8. Facilities and Staff Available:

This request is supplementary to that already granted for 1962 and the same facilities and staff, other than the person to be hired, are available.

9. Additional Requirements: NONE

10. Additional information (including relation of work to other projects and other sources of supply):

This work will be carried out in close relation to that already underway. In fact, our approach and where we begin that approach is dependent upon what we have already done or are doing in regards to smoke constituents.

Signed DONALD M. PACE
Director of Project

HERB. M. POTTER
University of Nebraska Foundation
Assistant Treasurer

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